INTERNATIONAL SEARCH REPORT



International Application No

T/EP2004/007807 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L31/048 H01L31/0216 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 578 091 A (CANON KK) 1-5,10, 12 January 1994 (1994-01-12) 14-16, 18-20, 24,28-30 6,7,11, 12,22 page 2, line 26 - page 41, line 5; figures Α US 2002/129850 A1 (NOMURA TAKUJI) χ 1-4,19 September 2002 (2002-09-19) 14-18, 21,24, 27 - 305,6, Α column 2, paragraph 14 - column 39, paragraph 327; figures 1-10 8-13,1920,23 -/--X Further documents are listed in the continuation of box C. Χ Patent family members are listed in annex, * Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the investigation. *A* document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. *O* document referring to an oral disclosure, use, exhibition or *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 October 2004 25/10/2004

Authorized officer

Boero, M

Fax: (+31-70) 340-3016

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

INTERNATIONAL SEARCH REPORT



International Application No
T/EP2004/007807

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.									
alegory "	Gration of document, with indication, where appropriate, of the relevant passages	1-4,9, 16,18, 21,22, 24,26, 28-30							
(EP 1 054 456 A (DAINIPPON PRINTING CO LTD) 22 November 2000 (2000-11-22)								
A	the whole document	28-30 5-8,11, 12,14, 15,19,25							
		15,19,25							
	·								
:									
	•								
ı									

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No T/EP2004/007807

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0578091		12-01-1994	JP		
EL 03/0031	А	12-01-1994		3073326 B2	07-08-2000
			JP	6021496 A	28-01-1994
•			JP	2747172 B2	06-05-1998
			JP	6021497 A	28-01-1994
			JP	6021498 A	28-01-1994
			JР	6021499 A	28-01-1994
			JP	2975222 B2	10-11-1999
			JP	6163963 A	10-06-1994
			ΑT	170669 T	15-09-1998
			AU	4157093 A	10-02-1994
			DE	69320725 D1	08-10-1998
			DE	69320725 T2	01-04-1999
			DK	578091 T3	31-05-1999
			EP	0578091 A2	12-01-1994
			ES	2121900 T3	16-12-1998
			KR	9705152 B1	12-04-1997
			ÜS	5397401 A	14-03-1995
US 2002129850	A1	19-09-2002	ΑU	764832 B2	04-09-2003
			ΑU	1941800 A	07-12-2000
			EP	1058320 A2	06-12-2000
			JP	2001168360 A	22-06-2001
			JP	2001053315 A	23-02-2001
			US	6384318 B1	07-05-2002
			JP	2001053316 A	23-02-2001
			JP	2001053317 A	23-02-2001
			JР	2001053326 A	23-02-2001
			JР	2001057438 A	27-02-2001
			ĴΡ	2001057439 A	27-02-2001
			JΡ	2001168365 A	22-06-2001
EP 1054456	Α	22-11-2000	JP	2000332275 A	30-11-2000
			JP	2000332277 A	30-11-2000
			JP	2000188412 A	04-07-2000
			JP	2001007368 A	12-01-2001
			JP	2001036126 A	09-02-2001
			EP	1054456 A2	22-11-2000
			ŪS	2003051751 A1	20-03-2003
			ÜS	6335479 B1	01-01-2002
			ÜS	2002050287 A1	02-05-2002